

DRILL HOLES

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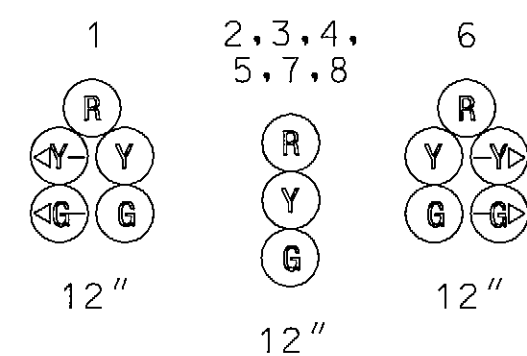
DRILL HOLES

BORDER REV. DATE: March 12, 2007

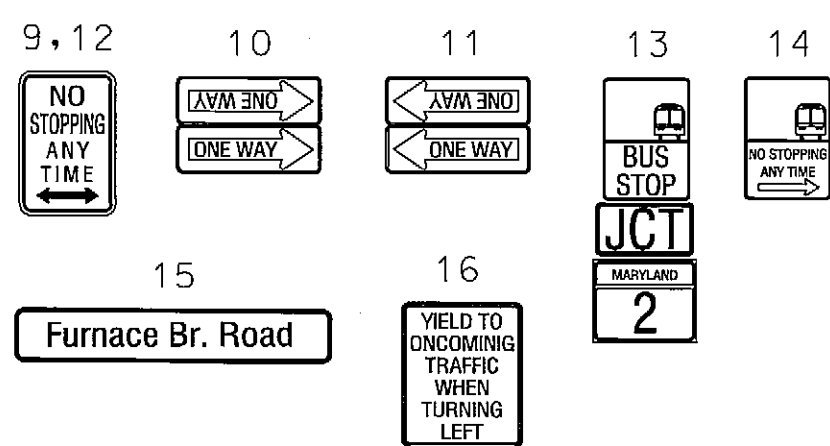
BY: \$USERNAMES

MD 3B IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

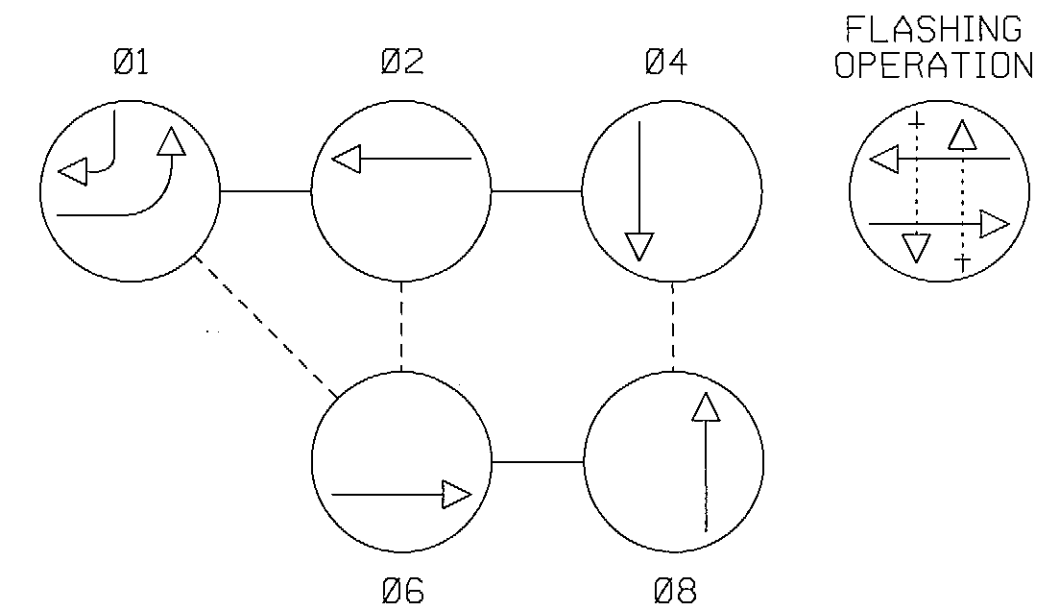
EXISTING SIGNALS



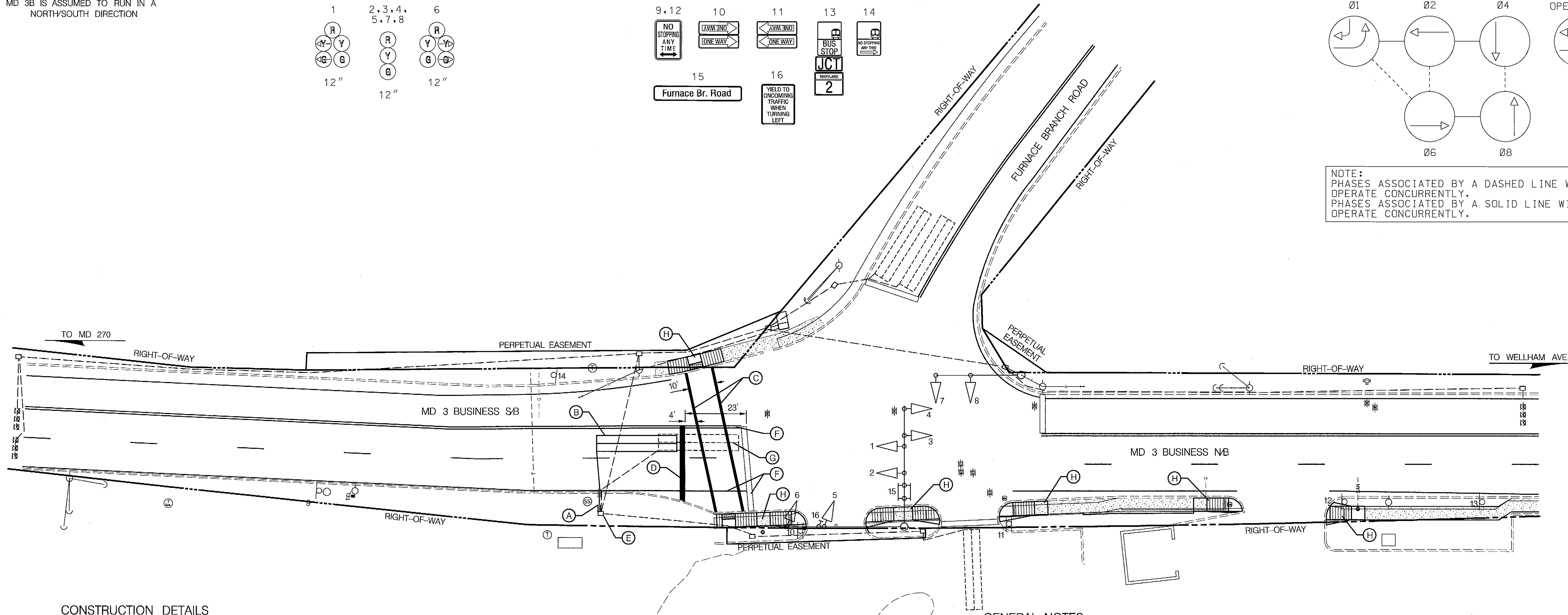
EXISTING SIGNS



NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING, QUADRUPOLE TYPE (3-6-3 TURNS) AS SHOWN ON PLANS.
- INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
- INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- USE EXISTING HANDHOLE.
- REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
- ABANDON EXISTING LOOP DETECTOR.
- SEE ROADWAY PLANS FOR NEW SIDEWALK AND RAMP CONSTRUCTION.

GENERAL NOTES:

- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING SHA STANDARDS PLATES FOR TRAFFIC CONTROL.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL THROUGHOUT THE CONSTRUCTION PROCESS UNTIL SUCH TIME THAT THE NEW CONSTRUCTION CAN BE UTILIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPLICE KIT NEEDED FOR SPLICING THE PROPOSED LOOP WIRE TO THE EXISTING 2 CONDUCTOR (ALUMINUM SHIELDED), AND THERE WILL BE NO CHARGE TO THE STATE FOR NEITHER THIS ITEM NOR FOR IT'S INSTALLATION.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

**RJM ENGINEERING, INC.**  
CONSULTING ENGINEERS  
COLUMBIA, MARYLAND

APPROVALS	REVISIONS
TEAM LEADER	1. RELOCATE NB DETECTION ZONE
ASST. DIV. CHIEF	2. CONTRACT # 02003B04.91
DIVISION CHIEF	3. 10/2009
OFFICE DIRECTOR	

DESIGNED BY	D. DODA	COUNTY	ANNE ARUNDEL
DRAWN BY	D. DODA	LOGMILE	02003B04.91
CHECKED BY	W. RICHARDSON	TIMS NO.	J865X
F.A.P. NO.		TOD NO.	

TS NO. 1501A	DRAWING	SG-01	OF 02	SHEET NO.	1	OF 2
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**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 3 BUSINESS AND FURNACE BRANCH RD  
FERNDAL, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 3-7-1977 CONTRACT NO. AA-177-501-585

PLOTTED: \$DATE\$TIMES  
FILE: \$FILES\$